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# Record



Washington University in St. Louis

May 8, 2008

record.wustl.edu

## Quatrano named interim dean of Arts & Sciences

BY TONY FITZPATRICK

**R**alph S. Quatrano, Ph.D., the Spencer T. Olin Professor and chair of the Department of Biology in Arts & Sciences, has been named interim dean of the faculty of Arts & Sciences, effective July 1, 2008, according to Chancellor Mark S. Wrighton.

He succeeds Executive Vice Chancellor Edward S. Macias, Ph.D., dean of Arts & Sciences and the Barbara and David Thomas Distinguished Professor in Arts & Sciences. Macias will relinquish his duty as Arts & Sciences dean June 30 and become provost Jan. 1, 2009, following a six-month sabbatical.

Quatrano will serve as interim dean of Arts & Sciences until a regular-term dean is appointed. Plans are under way to begin a comprehensive search for the next dean.

(See page 6.) Quatrano takes the interim position after having planned to step down as chair June 30 and then take a leave.

"Ralph has been an important leader in Arts & Sciences since joining Washington University nearly a decade ago," Wrighton said. "Throughout his professional career, he has demonstrated a strong ability to connect people and ideas and guide them toward a common goal."

"Ralph will benefit from the strong foundation that Ed Macias has built in Arts & Sciences, and he will be a key leader in implementing plans for the future that have been developed. I am grateful to Ralph for agreeing to serve Washington University in this

significant way," he said.

Quatrano, who came to the University in 1998 to chair the biology department, oversees one of the nation's most highly regarded biology departments with exceptional strengths in a number of areas, including the plant sciences. He directed the hiring of 12 new faculty members and recently served as director of the Division of Biology and Biomedical Sciences.

His research group, comprising graduate students and postdoctoral researchers, often collaborates with School of Medicine researchers as well as with scientists from Monsanto Co. and the Donald Danforth Plant Science Center.

He is internationally known for his work on model plant systems to elucidate the molecular and cellular mechanisms controlling seed development and how cells acquire polarity. More recently, he has used

the moss *Physcomitrella patens* to study the mechanism of drought tolerance and took a leadership role in a consortium of more than 100 international researchers and the Joint Genome Institute of the Department of Energy to sequence and annotate the moss genome. This latter effort culminated in a major publication earlier this year in the journal *Science*, with Quatrano as corresponding author.

Since 1970, Quatrano has been a visiting professor or investigator at five institutions, including the University of Naples, Cambridge University, and the University of Leeds, as well as with Stanford University and the University of Washington. He has given invited seminars at institutions worldwide and has published more than 160 research papers. He has won teaching awards at the undergraduate and graduate

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Quatrano



School of Medicine researchers have sequenced the duck-billed platypus genome. The mammal has features of reptiles, birds and their common ancestors as well as some unique attributes.

## Platypus genome holds clues to mammalian evolution

BY CAROLINE ARBANAS

**T**he duck-billed platypus: part bird, part reptile, part mammal — and the genome to prove it.

An international consortium of scientists, led by the School of Medicine, has decoded the genome of the platypus, showing that the animal's peculiar mix of features is reflected in its DNA. An analysis of the genome, published in the journal *Nature*, can help scientists piece together a more complete picture of the evolution of all mammals, including humans.

The platypus, classified as a mammal because it produces milk and is covered in fur, also possesses features of reptiles, birds and their common ancestors, along with some curious attributes of its own. One of only

two mammals that lays eggs, the platypus also sports a duck-like bill that holds a sophisticated electrosensory system used to forage for food underwater. Males possess hind leg spurs that can deliver pain-inducing venom to its foes competing for a mate or territory during the breeding season.

"The fascinating mix of features in the platypus genome provides many clues to the function and evolution of all mammalian genomes," said Richard K. Wilson, Ph.D., director of The Genome Center at Washington University and the paper's senior author. "By comparing the platypus genome to other mammalian genomes, we'll be able to study genes that have been conserved throughout evolution."

The platypus represents the

earliest offshoot of the mammalian lineage some 166 million years ago from primitive ancestors that had features of both mammals and reptiles.

"What is unique about the platypus is that it has retained a large overlap between two very different classifications, while later mammals lost the features of reptiles," said Wes Warren, Ph.D., research assistant professor of genetics, who led the project.

Comparison of the platypus genome with the DNA of humans and other mammals, which diverged later, and the genomes of birds, whose ancestors branched off an estimated 315 million years ago, can help scientists fill gaps in their understanding of mammalian evolution. The comparison also will allow scientists to

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## University endowment provides for future while funding present

BY STEVE GIVENS

**D**uring the 2003-04 academic year, Washington University celebrated its sesquicentennial — 150 years of providing higher education to St. Louis, the nation and the world. It was quite a milestone, but 150 years is a mere fraction of the ages of some of the great universities of the world. Harvard is heading toward 400; Oxford is more than 800. The late Clark Kerr, president of the University of California, once said that only 60 entities have survived continuously since the Middle Ages, and 50 of these are universities.

"Universities exist in perpetuity," Chancellor Mark S. Wrighton said. "They do not come and go like businesses and other institutions often do. As such, universities take a long view of how they operate and persist over decades and centuries."

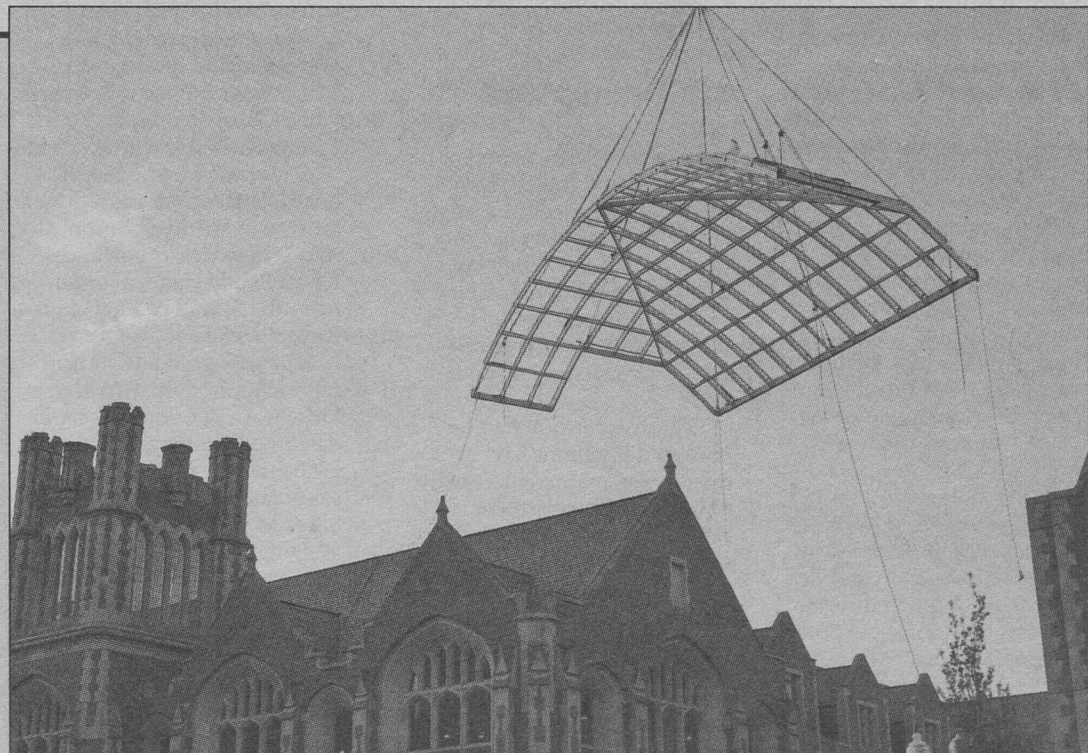
To provide for the future of an organization with such a lifespan, universities must be managed with an eye toward balancing the current requirements of scholars and students with the needs of

those who will walk the same pathways and hallways hundreds of years in the future. To do that, it is essential that a university have a significant endowment — a fund (actually a great number of individual funds) created by gifts that can never be spent. From these funds, only the earnings can be used to support the work of the institution and its faculty and students.

"The endowment plays a critical role in supporting research that has a benefit for America and the world," Wrighton said. "Medical discoveries, exploration of ancient cultures, nanoscience, alternative energy, much-needed research and classroom facilities — all are directly or indirectly supported by endowment income, as are many of the endowed professorships that make it possible to attract and retain the talented faculty who carry out this work."

At Washington University, the endowment provides the fourth-largest revenue stream, accounting for 10 percent to 12 percent of annual income in a typical year.

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**Dome improvement** On May 5, construction crews began raising a massive steel canopy structure up two stories over the School of Law's Anheuser-Busch Hall, using the largest crane in Missouri. The law school is installing the canopy over the open-air courtyard to create a year-round accessible public space. Designed by Washington, D.C.-based Hartman-Cox, the completed structure will cover a span of 6,054 square feet. The covered courtyard is scheduled to reopen Aug. 7. The canopy installation is part of an overall renovation project for the law school, including creating a larger student commons, additional group study rooms and faculty offices, a new main entrance on the first floor, and enhanced spaces for Clinical Education, Student Services, Career Services and Computing/Audiovisual/Web Services. These projects are scheduled to be completed in time for the fall 2008 semester.



## Arts & Sciences presents alumni awards, Dean's Medal

Arts & Sciences will recognize the achievements of five alumni at 4 p.m. May 16 in the Jerzewiak Family Auditorium in the Arts & Sciences Laboratory Sciences Building.

Edward S. Macias, Ph.D., executive vice chancellor, dean of Arts & Sciences and the Barbara and David Thomas Distinguished Professor in Arts & Sciences, will also present the Dean's Medal to **Robert E. Thach**, Ph.D., who is stepping down June 30 after 15 years as dean of the Graduate School of Arts & Sciences.

### Distinguished Alumni Awards

The Distinguished Alumni Awards are presented annually to recognize those who have attained distinction in their academic or professional careers and have demonstrated service to their communities and to the University.

This year's recipients are:

**Andrew M. Bursky** (A.B. '78, B.S. '78, M.S. '78), a National Merit Scholarship and a Presidential Scholarship winner, entered WUSTL as a Langsdorf Fellow in 1974. He left with three diplomas: one in economics and two in chemical engineering.

After earning an MBA from Harvard University, Bursky co-founded Interlaken Capital Inc., which became one of the nation's largest privately owned businesses within nine years, according to Forbes magazine. Today, following numerous other successful ventures, he is a founding and managing partner of Atlas Holdings LLC.

A member of the University's Board of Trustees and the New York Regional Cabinet, Bursky and his wife, Jane Miller Bursky (A.B. '78 in French), established the Spirit of Washington University Scholarship. This endowed fund provides a lifeline for students who would otherwise have to leave school because of family emergencies.

**Sherman A. James** (Ph.D., '73) is the inaugural Susan B. King Professor of Public Policy Studies at Duke University. He holds faculty appointments in sociology, in community and family medicine, and in African & African American studies.

James is a social epidemiologist, well known for his research on racial and ethnic health disparities. His concept "John Henryism" — named for the legendary black steel-driver who died after triumphing over a machine — formed one of the bases of his ongoing scholarly research, which focuses primarily on uncovering the multitude of factors that put African-Americans at risk for diseases that are preventable.

After graduating in 1964 with a degree in psychology from Talladega College near Birmingham, Ala., he served as captain in the U.S. Air Force until 1969, when he entered WUSTL to earn a doctorate in psychology.

**Ira J. Kodner** (A.B. '63, M.D. '67), the Solon and Bettie Gershan Professor of Colon and Rectal Surgery, is founding director of WUSTL's Center for the Study of Ethics and Human Values. It is one of the few University programs to bring together people from diverse fields to study, research and teach about ethical issues of critical importance to human lives.

Kodner, who earned both a bachelor's degree in zoology and a medical degree from WUSTL, conceived the idea after collaborating on an ethics curriculum for surgery residents at the request of the American College of

Surgeons.

Kodner also launched the medical school's fellowship training program in colon and rectal surgery as well as the palliative care program. His professional service includes presidencies of the American Board of Colon and Rectal Surgery and the American Society of Colon and Rectal Surgeons.

**Horace Mitchell** (A.B. '68, M.A.Ed. '69, Ph.D. '74), president of California State University, Bakersfield, since 2004, has had a mission throughout his illustrious career: to make an impact on students' growth and development.

The first in his class at St. Louis Soldan High School, he received a scholarship to WUSTL, where he majored in psychology. As he pursued advanced degrees in education and then in counseling psychology (with an interest in what was called minority mental health), he served as assistant dean of the College of Arts & Sciences.

In 1974, he accepted a joint appointment at WUSTL in counseling psychology and in African-American studies. In 1978, Mitchell moved on to the University of California, Irvine.

His wife, Barbara Jean Barrett Mitchell, is a WUSTL alumna (B.S. '77 in psychology, MSW '77, M.A.Ed. '78).

**Chezia Thompson Cager Strand** (A.B. '73, M.A. '75) is committed to using art forms to solve problems and to develop a more progressive and humane environment. Strand is a poet-scholar-artist-activist. A faculty member at the Maryland Institute College of Art, she formerly served as executive vice president and senior consultant to two major community development corporations.

As director, she helped the Spectrum of Poetic Fire Series receive a Best of Baltimore award from Baltimore Magazine. The series encouraged her to write the creative writing curriculum and edit the book series "When Divas Laugh," "When Divas Dance" and the bilingual "When Divas Howl at the Moon."

Strand has received numerous awards, including the Maryland State Arts Council Individual Artist Award in poetry. She also was a finalist for the 2007 F. Scott Fitzgerald Short Story Contest and the River Styx 2006 International Poetry Contest.

### The Dean's Medal

When Thach, professor of biology in Arts & Sciences and of biochemistry and molecular biophysics at the medical school, steps down as graduate school dean, he will move into epidemiology and environmental medicine, focusing on vector-borne disorders such as Lyme disease and Rocky Mountain spotted fever.

Thach's innovative and much-emulated programs have greatly enhanced the experiences of WUSTL's graduate students. He reduced time-to-degree and increased doctoral candidates' completion rate by admitting fewer doctoral students. He secured financial support for six years of graduate education and offered year-round support to those with departmental approval.

He chairs the Responsive Ph.D. initiative, a consortium of research universities seeking to provide a richer purpose for graduate education in the United States. He recently completed leadership roles in the Association of Graduate Schools, the Council of Graduate Schools and the Graduate Record Examination Board.

## Olin Business School bestows awards

By SHULA NEUMAN

The Olin Business School honored three alumni with the Distinguished Alumni Award at its annual dinner April 24 at the Ritz-Carlton, St. Louis. Mahendra R. Gupta, Ph.D., dean and the Geraldine J. and Robert L. Virgil Professor of Accounting and Management, also presented the Dean's Medal, an honor given to friends of the school whose dedication and service to Olin have been exceptional.

The presentation of the Olin Award also made its debut at the event. The award, which recognizes the practical impact of the faculty's academic research, was established last fall by Richard Mahoney, Olin executive in residence and former chairman and CEO of Monsanto Co.

The 2008 Olin Award went to **Jackson Nickerson**, Ph.D., the Frahm Family Professor of Organization and Strategy, and **Todd Zenger**, Ph.D., the Robert and Barbara Frick Professor of Business Strategy.

They share a \$10,000 honorarium for their study of the negative impact of envy in the workplace. Their paper was one of 30 submitted and was selected as the winner by 10 prominent business executives and educators.

### Distinguished Alumni Awards

Alumni awards are bestowed annually to recognize those who have achieved distinction in their fields and for embodying the qualities of leadership, integrity and commitment that the Olin Business School seeks to instill in its students.

**Stan A. Askren** (MBA '87) is the chairman and CEO of HNI Corp., the second-largest office furniture manufacturer in the world, and the nation's leading manufacturer of gas- and wood-burning fireplaces. During Askren's tenure, HNI has grown from \$600 million to more than \$2.6 billion in annual sales.

Askren sits on the board of the National Association of Manufacturers and the Business and Institutional Furniture Manufacturer's Association. He also is active in several civic organizations, such as the Iowa Business Council. Askren is a member of Olin's National Council.

**David L. Campbell** (A.B. '81, MBA '81) is the president and CEO of the Anschutz Entertainment Group (AEG), Europe, a subsidiary of one of the world's leading sports and entertainment companies. In his capacity at AEG, Campbell oversaw the £700 million renovation of London's Millennium Dome, which is now called the O2. Campbell has become a strong advocate for the city of London. He has served on the board of Visit London and launched a tourism promotion

channel called London TV. Campbell was integral in the city's bid for the 2012 Summer Olympics.

**James D. Weddle** (MBA '77) had dedicated his career to Edward Jones starting with a summer internship and continuing to his present position as the company's fifth managing partner. Outside of his service to Edward Jones, Weddle has been active with both the St. Louis and University communities. Weddle has served on numerous nonprofit boards in the region and is a member of WUSTL's National Council. In 2006, Weddle was honored by the University with a Founders Day Award.

### The Dean's Medal

**Melvin** and **Sue Bahle** are bona fide members of the WUSTL community. Melvin Bahle served in the Amphibious Corps during World War II, and he was based in the South Pacific. After the war, Bahle began a 37-year career at Ralston Purina, where he served as assistant to every one of Ralston's board chairs until his retirement, becoming vice president in 1973. Over the past several decades, the Bahles have supported three Olin Business School deans, helping to build the school's national and global reputation. They were among the first sponsors of the Scholars in Business program. Their generosity has made them Life Patrons of the William Greenleaf Eliot Society.

## Trustees re-elect officers; name Brauer chair-elect

The Board of Trustees re-elected David W. Kemper as chair of the board and named Stephen F. Brauer as chair-elect and vice chair, and John F. McDonnell as vice chair, according to Chancellor Mark S. Wrighton.

Kemper is chairman, president and CEO of Commerce Bancshares Inc. Brauer is president of Hunter Engineering in Bridgeton, Mo., and immediate past U.S. ambassador to Belgium. McDonnell is retired chairman of the board of McDonnell Douglas Corp.

Trustees also returned three past trustees to the board: Corinna Cotsen, owner of Edifice Complex, a design firm in Manhattan Beach, Calif.; John P. Dubinsky, president and CEO, Westmoreland Associates, St. Louis; and Eugene S. Kahn, CEO, Claire's Stores, St. Louis.

Four new student representatives also were named to the board. Undergraduate representatives are Marius Johnson, an Arts & Sciences junior, and Kavya Reddy Naini, a junior from the School of Engineering & Applied Science.

The new graduate student representatives are Timothy J. Bono, a 2011 doctoral candidate in psychology, and Tracy F. Nicholson, a 2009 doctoral candidate in molecular microbiology in engineering.

Outgoing student representatives are Kimia H. Ferdowsi, a student in the Sam Fox School of Design & Visual Arts who graduates this month; Kristopher R. Kelley, an Arts & Sciences student who graduates this month; Emma B. Cottler, who will receive her MBA from the Olin Business School this month; and Elliott M. Weiss, a member of the School of Medicine class of 2010.

In his remarks to the board, Wrighton noted three significant appointments:

- The naming of Executive Vice Chancellor Edward S. Ma-

cias, Ph.D., dean of Arts & Sciences and the Barbara and David Thomas Distinguished Professor in Arts & Sciences, as provost, effective Jan. 1, 2009;

- The appointment of Ralph S. Quatrano, Ph.D., the Spencer T. Olin Professor and chair of the Department of Biology in Arts & Sciences, as interim dean of the faculty of Arts & Sciences, effective July 1;

- The appointment of Salvatore P. Suter, Ph.D., senior professor of biomedical engineering, former chairman of mechanical engineering and the first chairman of the Department of Biomedical Engineering, as interim dean of engineering, effective July 1.

In recognizing the continuing strength of the University's undergraduate students, Wrighton said that the fall 2008 freshman class of about 1,400 students will be the strongest in University history.

Wrighton reported that construction on the Medical Campus includes the largest building ever constructed by the University — the BJC Institute of Health at Washington University. Major earth work is complete, nearly all the foundation work has been prepared and structural steel is now being erected over a portion of the building site. Completion is scheduled for late 2009.

On the Danforth Campus, Wrighton said work continues on three major projects, all of which are slated for occupancy when students return in the fall. These are the Harry and Susan Seigle Hall for law and social sciences; the William H. and Elizabeth Gray Danforth University Center; and Village East, a residence hall. He also said design preparations have begun for new residential facilities on the South 40.

Wrighton closed his comments by noting that WUSTL is enjoying its strongest year in his-

tory in NCAA Division III sports — leading the Director's Cup standings as the No. 1 Division III program in the nation, as well as holding national championships in men's basketball and women's volleyball.

Three national councils reported on their strategic plans as part of the Plan for Excellence process.

The National Council on Undergraduate Experience presented its plan for excellence, as did the Olin Business School and the Sam Fox School of Design & Visual Arts.

Co-presenting from the undergraduate experience national council were trustee Ronald L. Thompson, retired chairman of the board and CEO of Midwest Stamping Co., and James E. McLeod, vice chancellor for students and dean of the College of Arts & Sciences.

Presenting for the Olin Business School was James V. O'Donnell, a trustee who is president and CEO of Busch-O'Donnell and Co. Co-presenting was Mahendra R. Gupta, Ph.D., dean and the Geraldine J. and Robert L. Virgil Professor of Accounting and Management. The Sam Fox plan for excellence presentation was made by John D. Weil, a trustee and president of Clayton Management Co. Co-presenting was Carmon Colangelo, dean and the E. Desmond Lee Professor for Collaboration in the Arts.

The outgoing student representatives to the board provided reviews of the year, as did the outgoing faculty representative, Jeffrey Lowell, M.D., professor of surgery.

In other actions, the following trustee standing committees provided reports: compensation, development, educational policy, honorary degree, medical finance, university finance, audit and alumni board of governors.



## School of Medicine Update

# Service trips open students' eyes to new opportunities

By BETH MILLER

The realities of rural and international health care became clear to groups of first- and second-year School of Medicine students on their spring break trips this year. But instead of getting discouraged, these students found a possible career path and future opportunities.

Seven first-year students traveled to a Navajo reservation in Arizona, and 13 second-year students traveled to the Choluteca region in southern Honduras in late March and early April on trips sponsored by the Forum for International Health and Tropical Medicine (FIHTM), a student group that works to expose the medical community firsthand to international health concerns. The trips are funded by the School of Medicine and its alumni.

At the Navajo reservation, the first-year students talked with kindergarteners through high-school students about nutrition, diabetes, substance abuse and college preparation. Working with Youth Empowerment Services, the group also did some service projects at the local school and toured Indian Health Service facilities.

Logan McKenna, a first-year student, said the trip to the Navajo reservation drove home some of the challenges of rural health care.

"There are a lot of areas in the country where it is really hard to get doctors to work," he



Second-year medical students Elliott Weiss (left) and Kai Sun perform eye screenings on two children at a local school in the Choluteca region in southern Honduras. The second-year students spent a week with Central America Relief Effort in rural clinics, shadowing the clinics' physicians and seeing up to 200 patients a day. A group of first-year students traveled to a Navajo reservation in Arizona to work with children on the reservation.

said. "But I learned that even if you don't want to go into international health care, you can do a great service in rural areas of the United States. Before the trip, I never considered rural health care as a career possibility, but after this, I realize it's an important and valuable thing to do in my life."

The second-year students

spent a week with Central America Relief Effort in rural clinics, shadowing the clinics' physicians and seeing up to 200 patients a day. In addition, the students went to local schools to give children fluoride treatments, teach proper tooth-brushing skills and perform eye screenings. Several St. Louis-area donors had given them hundreds of toothbrushes

and toothpaste to distribute.

While some of the students had traveled internationally be-

fore, many were unsure about what they might encounter on the trips.

"Having an intellectual knowledge of the need is different from seeing it with your own eyes and experiencing it," said Kai Sun, a second-year student. "Although my Spanish isn't good, I was surprised by how well I could communicate and interact with the people there. I had a connection with the kids, which was very meaningful for me."

Jacqueline Anderson, a second-year student, said the trip was a good introduction to future short-term trips.

"Even though we had to deal with a lot of frustrations, like lacking certain equipment or supplies, we realized that it would be so easy for us when we are doctors to take the skill set we have and make a huge impact, even if it's for a few weeks," Anderson said.

Deepika Rao, a second-year student, said the trip was very positive and motivated her to go into international or rural health.

"We always talk about setting up clinics in a rural community without any idea what it's really like," she said. "This trip made it much clearer what problems I will face when I go abroad," she said.

## Aging's impact on ability to drive focus of conference

By MICHAEL C. PURDY

Ensuring that the elderly have access to transportation while preventing age-related driving impairments will be the focus of the eighth annual Friedman Conference on Aging, "Are We Licensed for Life? Transportation and Driving Issues in an Aging Society."

The conference, sponsored by the Harvey A. Friedman Center for Aging, will be held Tuesday, May 13, at the Eric P. Newman Education Center at the School of Medicine. The conference is free and open to the public and includes lunch but requires preregistration, which is available online at [wucfa.wustl.edu/Friedman/2008/Friedman2008Register.asp](http://wucfa.wustl.edu/Friedman/2008/Friedman2008Register.asp). The conference is funded by the Barnes-Jewish Hospital Foundation.

The surge of baby boomers now entering their 60s means more drivers on the road could one day be impaired by dementia or other cognitive or physical impairments linked to aging, said David Carr, M.D., associate professor of medicine and of neurology and a conference speaker.

"Society has an obligation to maintain the safety of elderly drivers and those they share the road with," said Carr, clinical director of Geriatrics and Nutritional Science. "But when we take away the right to drive or it is voluntarily surrendered, we also have an obligation to find ways to give those seniors access to the mobility they need to continue to live happy and productive lives."

The keynote speaker for this year's conference will be Katherine Freund, president and executive director of the Independent Transportation Network of America. The organization supports the creation of nonprofit, community-based networks that provide transportation services to seniors no longer able to drive, enabling them to stay in touch

with family and friends and continue to be active members of their community.

Other speakers and their topics include:

- Richard Marottoli, M.D., medical director of the Dorothy Adler Geriatric Assessment Center at Yale-New Haven Hospital in Connecticut, will speak on ways to improve driving skills in older adults;

- Brian Ott, M.D., director of the Alzheimer's Disease & Memory Disorders Center at Rhode Island Hospital, will discuss the challenges of evaluating driving skills in the elderly;

- Loren Staplin, Ph.D., managing partner at Transanalytics LLC, will discuss the availability and validation of new tools to detect functional decline that elevates crash risk for older drivers;

- Linda Hunt, Ph.D., of the School of Occupational Therapy at Pacific University in Hillsboro, Ore., will share Oregonians' experiences with a law requiring physicians to report potential for impaired driving in their

patients to the state Department of Motor Vehicles;

- Thomas Meuser, Ph.D., director of gerontology at the University of Missouri-St. Louis, will describe the state of Missouri's efforts to identify drivers impaired by age-related conditions;

- Jacqueline Rogers, system management specialist with the Division of Highway Safety of the Missouri Department of Transportation, will speak on the state of Missouri's transportation programs and policies for older adults.

Chancellor Mark S. Wrighton; Larry J. Shapiro, M.D., executive vice chancellor for medical affairs and dean of the School of Medicine; and John C. Morris, M.D., the Harvey A. and Dorismae Hacker Friedman Professor of Neurology and director of the Friedman Center for Aging, will each make brief remarks.

## Excessive tantrums in preschoolers may indicate serious mental health problems

By JIM DRYDEN

Certain types of tantrums in preschoolers may be a sign of serious emotional or behavioral problems, according to School of Medicine researchers. Although temper tantrums are common and normal in young children, the researchers found that long, frequent, violent and/or self-destructive tantrums may indicate the presence of psychiatric illness.

The research team reports its findings in a recent issue of *The Journal of Pediatrics*. Researchers compared tantrums in healthy children to the tantrums in children diagnosed with depression or disruptive disorders, such as attention-deficit/hyperactivity disorder (ADHD).

Most children have temper tantrums at some point, but the researchers found healthy children tend to be less aggressive and have shorter tantrums than their peers with depression and disruptive disorders.

"It's clearly normal for young children to have occasional tantrums," said first author Andrew C. Belden, Ph.D., a National Institute of Mental Health (NIMH) postdoctoral research scholar in child psychiatry. "Healthy children may even display extreme behaviors if they're very tired, sick or hungry. But if a child is regularly engaging in specific types of tantrum behaviors, there may be a problem."

The researchers studied 270 children between 3-6 years old and gathered infor-

mation about tantrums from a parent. The children were divided into four groups according to psychiatric symptoms: no psychiatric diagnosis, major depressive disorder, disruptive disorder, or depression and disruptive disorder. All of the children were part of a larger NIMH-funded study of psychiatric illness in preschoolers.

"We've been following these children for several years," said principal investigator Joan L. Luby, M.D., associate profes-



Belden

sor of child psychiatry and director of the Early Emotional Development Program. "It's important to find age-specific ways to diagnose depression and other problems in young children because it can be difficult to get very young children to tell you about their feelings. We've successfully used narrative and observational techniques, but characteristics of tantrums when present might be another helpful tool."

Luby, Belden and colleagues identified five types of tantrum behavior that appeared to be connected with depression or diagnosable disruptive disorders.

The first involves extremely aggressive behavior during a tantrum. When a toddler displays aggression directed at a caregiver or violently destructive behavior toward an object such as a toy during most tantrums, parents should be concerned. The study found that these chil-

dren tend to have diagnoses of ADHD, oppositional-defiant disorder and other disruptive disorders.

The second worrisome tantrum behavior is when toddlers intentionally injure themselves.

"It doesn't matter how long these types of tantrums last or how often they occur, self-injurious behavior almost always was associated with a psychiatric diagnosis in this study," Belden said. "Children with major depressive disorder tended to hurt themselves. We didn't see that in healthy kids or those with ADHD and other disruptive disorders."

Other red flags involved children who had more than five tantrums a day for several consecutive days. Very long tantrums also signaled a problem. Healthy children might have a tantrum that lasts 10 or 11 minutes, but several children in the study averaged more than 25 minutes per tantrum.

Finally, when preschoolers are unable to calm themselves following a tantrum, they appear to be at much greater risk of psychiatric problems.

"The best news from this paper is that it's normal for children to display excessive behavior sometimes," Belden said. "If a child lashes out at you, it doesn't mean, 'Oh my gosh! They're doomed!' But if they lash out and hit you every time, there might be a problem. And if they hurt themselves intentionally, I think it's best to consult a pediatrician or mental-health professional."



## University Events

### Staff Day 2008 offers an array of activities

By JESSICA DAUES

**W**in a prize, hit a ball or take a stroll — or perhaps even all three — during the 33rd annual Staff Day May 19.

Drawings, golf and tours are just a few of the many activities offered at Staff Day, a day-long celebration organized by the Office of Human Resources to recognize Danforth Campus staff members and show the University's appreciation for their work throughout the year.

"Staff members at this University work very hard and contribute daily to the University's success," said Ann B. Prenatt, vice chancellor for human resources. "They deserve their own day of recognition."

Staff Day kicks off with a Service Awards ceremony, hosted by Chancellor Mark S. Wrighton, at Edison Theatre at 10 a.m. The ceremony will honor those with 10, 15, 20, 26 and 30-plus years of service to the University.

Wrighton also will present the 11th annual Gloria W. White Distinguished Service Award, which recognizes a Danforth Campus nonacademic staff member for his or her exceptional effort and contribution to the University.

Next on the schedule is a buffet lunch, which begins at 11:30 a.m. at Bowles Plaza. If there is inclement weather, lunch will be held in the Mallinckrodt Student Center. Tickets, which are required for the lunch, are free and can be obtained at [staffday.wustl.edu](http://staffday.wustl.edu).

After lunch, those preferring to take it easy can have a caricature drawn (12:30-2:30 p.m. at the Mallinckrodt Student Center), play bingo (1:30-3 p.m. at Holmes Lounge), or take a tour of the Danforth Campus (1 p.m. at Brookings Archway) or the Mildred Lane Kemper Art Museum (all afternoon).

For employees wanting a bit more action in their afternoons, Staff Day offers:

• **Golf at Forest Park Golf Course.** Those signed up for golf must be at the clubhouse by 11:30 a.m.

for lunch, and tee times start at 12:15 p.m.

• **Softball at the Women's Softball Field.** The opening pitch is 1 p.m. Either sign up with a team or by yourself and you will be assigned a team. Contact Tom Lauman at [tomlauman@wustl.edu](mailto:tomlauman@wustl.edu) or 935-5967.

• **Volleyball at the Athletic Complex.** The first game starts at 1:30 p.m. To sign up, contact Jeff Herman at [Jeff\\_Herman@wustl.edu](mailto:Jeff_Herman@wustl.edu) or 935-5984 or Donna Hall at [DHall22@wustl.edu](mailto:DHall22@wustl.edu) or 935-4650.

• **Washers at Mudd Field.** The first toss is at 1 p.m. To sign up, contact Karen Rose at [Karen.t.rose@wustl.edu](mailto:Karen.t.rose@wustl.edu) or 935-5561.

• **Bike ride through Forest Park.** This ride begins at 1:30 p.m. at the bottom of the steps at Brookings Hall. Please bring your own bike.

• **WU Walks through the Danforth Campus.**

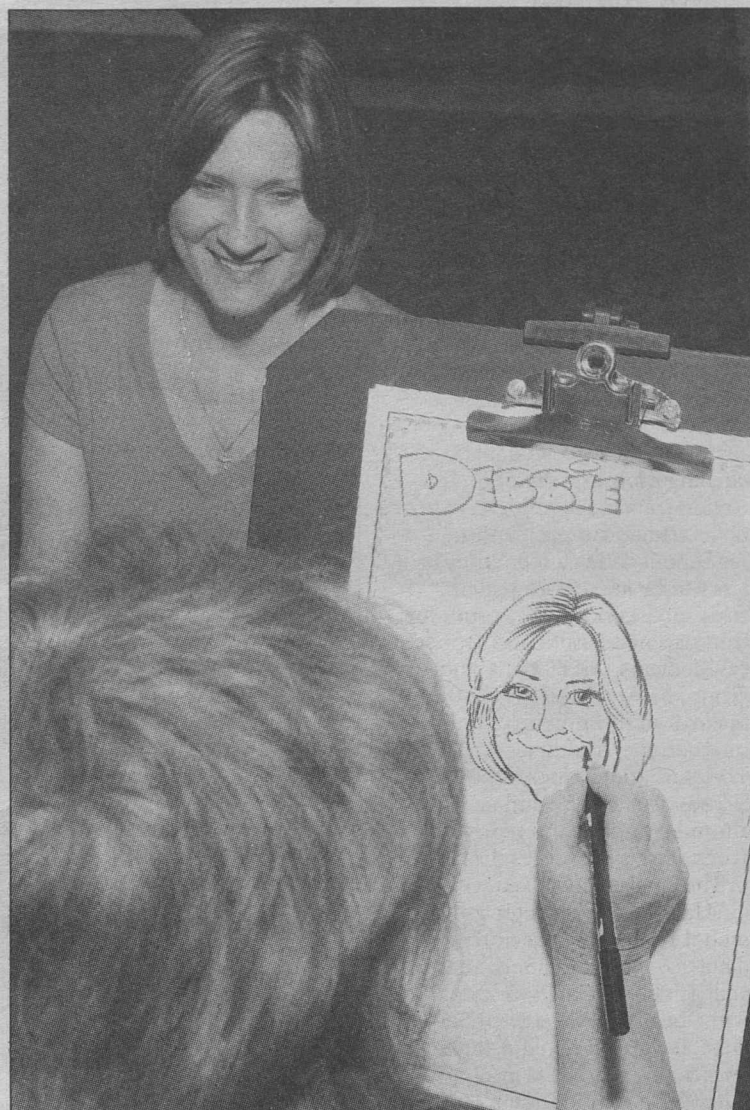
The walk starts at 1 p.m. in front of Graham Chapel. The day culminates with a presentation of trophies and drawings for prizes at 3:30 p.m. at Bowles Plaza. Among the prizes offered are Cardinals tickets, American Airlines travel vouchers and restaurant gift cards.

Free Ted Drewes frozen custard will be offered during the presentation.

"A great deal of time and effort is put into the organizing and implementing of this event by the Staff Day Committee and the Office of Human Resources," Prenatt said. "All of that work is worth it when we see the smiles of those receiving service awards, colleagues enjoying the competitions and staff members just out having a fun afternoon."

While WUSTL employees celebrate and relax on Staff Day, the University also asks staff members to please remember those less fortunate and drop off a canned food item outside of Edison Theatre. All donations will go to the St. Louis Area Food Bank. During last year's Staff Day, WUSTL employees donated 196 pounds of canned food.

For more information about the Staff Day event schedule and locations, contests and prizes, visit [staffday.wustl.edu](http://staffday.wustl.edu) or e-mail [staffday@wustl.edu](mailto:staffday@wustl.edu).



Many activities are available for employees to choose from at the annual Staff Day, such as having a caricature of yourself drawn — as Debbie Vassel with Accounting Services did at Staff Day 2007.

## An Aging Society • Malaria Infection

"University Events" lists a portion of the activities taking place May 8-21 at Washington University. Visit the Web for expanded calendars for the Danforth Campus ([webevent.wustl.edu](http://webevent.wustl.edu)) and the School of Medicine ([medschool.wustl.edu/calendars.html](http://medschool.wustl.edu/calendars.html)).

### Exhibits

"Miniature Books: Four Thousand Years of Tiny Treasures." Through June 6. Olin Library. 935-5418.

"Annual Master of Fine Arts First Year Exhibition Part II." May 9. (6 p.m. Opening Reception.) Des Lee Gallery, 1627 Washington Ave. 935-9347.

"Annual Bachelor of Fine Arts Exhibition." May 14. (6 p.m. Opening Reception.) Bixby Hall; Walker Hall; Steinberg Hall. 935-9347.

### Lectures

#### Thursday, May 8

**Noon. Genetics Seminar.** "Using Stem Cells, Developmental Biology and Cancer Genetics to Construct and Deconstruct the Endocrine Pancreas." Seung Kim, assoc. prof. in developmental biology, Stanford U. School of Medicine. McDonnell Medical Sciences Bldg., Rm. 823. 362-2139.

**2:30-5 p.m. Neurology Symposium.** Annual Symposium on Translational Neuroscience. Stephen Hauser, prof. of neurology, U. of Calif., San Francisco; and Ben Barres, prof. of neurobiology, Stanford U. School of Medicine. Farrell Learning & Teaching Center, Connor Aud. 747-0644.

**4 p.m. Vision Science Seminar Series.** "What Causes Age-Related Macular Degeneration? A Geneticist's View." Rando Allikmets, assoc. prof. of ophthalmic science, Columbia U. Maternity Bldg., Rm. 725. 362-3315.

#### Friday, May 9

**8 a.m.-8 p.m. Harris World Law Inst. Conference.** "Law in Japan: A Celebration of the Work of John Owen Haley." (Continues 8 a.m.-12:30 p.m. May 10.) Anheuser-Busch Hall, Bryan Cave Moot Courtroom. 935-7988.

**11 a.m. Electrical & Systems Engineering Seminar.** "Securing Biometric Data Using Error-Correcting Codes." Stark Draper, asst. prof. of electrical & computer engineering, U. of Wis.-Madison. (10:45 a.m. refreshments.) Bryan Hall, Rm. 305. 935-5565.

#### Monday, May 12

**Noon. Infectious Diseases Lecture.** "Management Issues in Patients with HBV HIV Co-infection." Marion G. Peters, chief of hepatology research, U. of Calif., San Francisco. (11:45 a.m. box lunch.) St. Louis Children's Hospital, Third Floor Aud. R.S.V.P. to 454-8275.

**3 p.m. Neuro-oncology Research Group Seminar Series.** "The Bmp/math1 Axis in CNS Development and Cancer." Martine F. Roussel, prof. of molecular sciences, The U. of Tenn. Health Science Center. South Bldg., Rm. 3907, Philip Needleman Library. 454-8981.

**4 p.m. Immunology Research Seminar Series.** Jeff Gordon, prof. of developmental biology. Farrell Learning & Teaching Center, Connor Aud. 362-2763.

#### Tuesday, May 13

**8 a.m.-5 p.m. Center for Aging Conference.** Annual Friedman Conference. "Are We Licensed for Life? Transportation and Driving Issues in an Aging Society." Eric P. Newman Education Center. To register: 286-2441.

**8:15 a.m.-5 p.m. Human Research Protection Course.** "Necessary Elements in Fundamentals of Human Subject Research." (Continues 8:15 a.m.-5 p.m. May 20.) Cost: \$350. Charles F. Knight Center. To register: [hrpo.wustl.edu](http://hrpo.wustl.edu).

**Noon. Molecular Microbiology & Microbial Pathogenesis Seminar Series.** "In Vitro Oscillation of a Three-Protein Circadian Clock." Erin O'Shea, prof. of molecular & cellular biology, Harvard U. McDonnell Medical Sciences Bldg., Erlanger Aud. 362-3692.

#### Wednesday, May 14

**4 p.m. Biochemistry & Molecular Biophysics Seminar.** "The Protein C Pathway in Health and Disease." Charles Esmon, prof. of cardiovascular biology, Okla. Medical Research Foundation. McDonnell Medical Sciences Bldg., Rm. 264. 362-4152.

**6 p.m. Kemper Art Museum Gallery Talk.** "Saturday Night (1956)." Spotlight Series on Willem de Kooning. Kemper Art Museum. 935-4523.

#### Thursday, May 15

**Noon. Genetics Seminar.** "Characterizing Intercellular Signaling Pathways in Motorneuron Differentiation." Heather Broihier, asst. prof. in neurosciences, Case Western Reserve U. McDonnell Medical Sciences Bldg., Rm. 823. 362-2139.

#### Friday, May 16

**9:15 a.m. Midwest Regional Center of Excellence for Biodefense and Emerging Infectious Diseases Research Guest Lecture.** "Infectious Disease in the Age of Globalization." Julie Louise Gerberding, dir., CDC. (Refreshments served.) Eric P. Newman Education Center. 286-0432.

#### Saturday, May 17

**10 a.m.-4 p.m. Asthma Screening at the St. Louis Science Center.** Free. School of Medicine allergy/immunology faculty and fellows will screen people with breathing problems and also check if people previously diagnosed as asthmatic have their disease under control. 454-7376.

#### Monday, May 19

**7 a.m.-7 p.m. School of Medicine CME Course.** "Transoral Laser Microsurgery: Management of Head & Neck Cancer." Cost: \$2,100. (Continues 7 a.m.-5 p.m. May 20; 7:30 a.m.-Noon May 21.) Eric P. Newman Education Center. To register: 362-6891.

#### Tuesday, May 20

**Noon. Molecular Microbiology & Microbial Pathogenesis Seminar Series.** "Malaria Infection: Approaching the Host." Maria Mota, asst. prof. of medicine, U. of Portugal. McDonnell Medical Sciences Bldg., Erlanger Aud. 362-8873.

#### Wednesday, May 21

**2 p.m. Siteman Cancer Center Prevention and Control Program Survivorship Workshop.** Les Robinson, chair, dept. of epidemiology, St. Jude's Children's Research Hosp. (4:30 p.m. reception, Farrell Learning & Teaching Center, First Floor Atrium.) Farrell Learning & Teaching Center, Holden Aud. 454-8981.

**4 p.m. Biochemistry & Molecular Biophysics Seminar.** "Disorder-Order Transitions Regulate Muscle Contraction and Relaxation." David D. Thomas, prof. of biochemistry, molecular biology & biophysics, U. of Minn. McDonnell Medical Sciences Bldg., Rm. 264. 362-4152.

## On Stage

#### Saturday, May 10

**11 a.m. Ovation! for young people Series.** Dan Zanes & Friends. (Also 2 p.m.) Cost: \$8. Edison Theatre. 935-6543.

## Commencement Week

This is a schedule of events for Commencement 2008. For more information, call the Commencement Office at 935-5985 or visit the Commencement Web site [commencement.wustl.edu](http://commencement.wustl.edu).

#### Wednesday, May 14

**5:30 p.m. Black Senior Alliance Commencement Celebration.** Graham Chapel. Reception immediately following: Food Court, Mallinckrodt lower level.

**7:30 p.m. University College Recognition Ceremony.** Simon Hall.

#### Thursday, May 15

**10 a.m. College of Arts & Sciences Recognition Ceremony.** Field House, Athletic Complex.

**2:30 p.m. School of Engineering Undergraduate Recognition Ceremony.** Field House, Athletic Complex.

**3 p.m. Program in Clinical Investigation and Program in Psychiatric Epidemiology Joint Recognition Ceremony.** King Center. Reception immediately following.

**5 p.m. School of Medicine Reception.** Atrium, Farrell Learning and Teaching Center.

**8 p.m. Sam Fox School of Design and Visual Arts College of Art/Graduate School of Art Recognition Ceremony.** Graham Chapel.

#### Friday, May 16

**8 a.m. Degree candidates assemble.**

**8:30 a.m. Commencement exercises in Brookings Quadrangle.**

The following programs begin immediately after the close of the Commencement exercises.

**College of Arts & Sciences Diploma Distribution and Reception.** The Green, west of Olin Library and north of Graham Chapel. Rain Location: Francis Gym, Athletic Complex.

**University College Diploma Distribution and Reception.** Ann. W. Olin Women's Building Lounge.

**Graduate School of Arts & Sciences Hooding and Recognition Ceremony.** Edison Theatre. Reception immediately following: Bowles Plaza. Rain Location: Food Court, Mallinckrodt lower level.

**Sam Fox School of Design and Visual Arts College of Architecture/Graduate School of Architecture & Urban Design Diploma Ceremony.** Brookings Drive Mall. Reception immediately following: Brookings Drive Mall.

**College of Art/Graduate School of Art Diploma Distribution and Reception.** Shapleigh Courtyard and Terrace, Earl E. and Myrtle E. Walker Hall. Rain Location: Mildred Lane Kemper Art Museum.

**John M. Olin School of Business Undergraduate Diploma and Awards Ceremony.** Field House, Athletic Complex. Reception immediately following: Simon Hall.

**School of Engineering Undergraduate and Graduate Diploma Distribution.** Reception immediately following: Whitaker Atrium.

**George Warren Brown School of Social Work Diploma Ceremony.** Graham Chapel. Reception immediately following: Lucy and Stanley Lopata Courtyard, Goldfarb Hall.

**Program in Occupational Therapy Reception.** Holmes Lounge. Diploma Ceremony immediately following: Graham Chapel.

**Program in Physical Therapy Reception.** Sheldon Concert Hall, immediately following All-University Commencement. Diploma Distribution and Hooding Ceremony: 1:30 p.m.

**School of Law Diploma Ceremony.** Seeley G. Mudd Field. Rain Location: Recreational Gymnasium, Athletic Complex. Reception immediately following: Anheuser-Busch Hall.

**1 p.m. Program in Audiology and Communication Sciences Recognition Ceremony and Diploma Distribution.** Central Institute for the Deaf. Reception immediately following.

**2 p.m. School of Engineering and Applied Science Graduate Recognition Ceremony.** Edison Theatre. Reception immediately following: Food Court, Mallinckrodt lower level.

**3 p.m. John M. Olin School of Business Graduate Diploma and Awards Ceremony.** Field House, Athletic Complex. Reception immediately following: Simon Hall.

**3 p.m. School of Medicine Commencement Recognition Ceremony.** Ferrara Theater, America's Center. Reception immediately following: Atrium, America's Center.

**6 p.m. Program in Health Administration Diploma Ceremony.** Kemoll's at the Top of the Met, 211 N. Broadway. Reception immediately following: Lobby of Metropolitan Square at 7 p.m. Dinner at the Top of the Met at 8 p.m.



# New Orleans is the site of architecture student projects

## Class creates chicken coop, rehab plan

By LIAM OTTEN

St. Thomas Seven Pepper Hot Sauce is one of the hottest sauces in New Orleans, grown and bottled at God's Vineyard Community Garden, 918 Felicity St., in the Lower Garden District. Yet like much of the city, this nonprofit farm was severely affected by Hurricane Katrina. Animals were lost; crops and structures were damaged; the volunteer staff (mostly children from the nearby St. Thomas Housing Project) scattered.

This spring, 10 senior architecture students from the Sam Fox School of Design & Visual Arts, led by lecturer Derek Hoeferlin, have collaborated with garden founders Earl Antwine and Noel Jones to reestablish God's Vineyard as a productive urban farm. More specifically, in this age of gaudy "star-chitect" towers and international museums, these designers have turned their talents to an entirely more prosaic structure:

The chicken coop.

"Half the garden is for growing hot peppers, but the other half is for raising animals," said Hoeferlin, a Tulane graduate who previously led three design studios focusing on the Lower Garden District and the Central City neighborhood. Indeed, before Hurricane Katrina, God's Vineyard fed more than 1,500 people each month, providing vegetables, eggs and poultry for community meals.

"I thought the chicken coop would be a terrific design/build

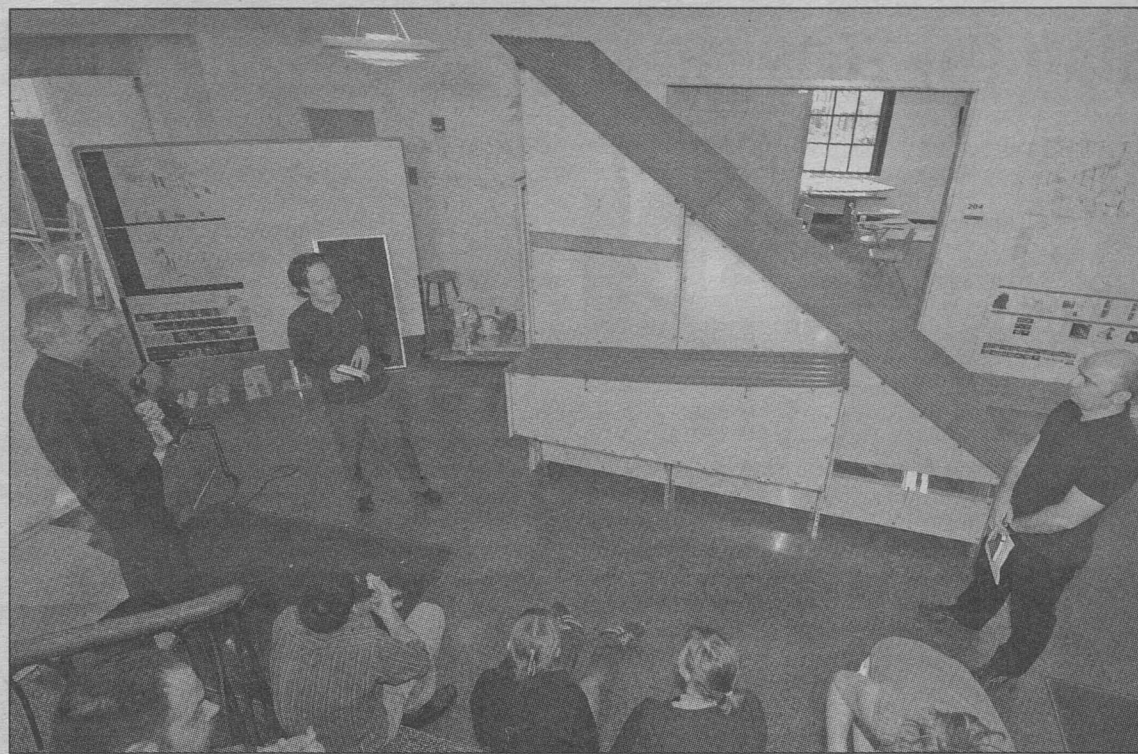
project," said Hoeferlin, who once lived a block from God's Vineyard. "But for me, at the end of the day, the point is to help this great little farm get back on its feet."

Hoeferlin organized the studio through CITYbuild, a national consortium of design programs to which the Sam Fox School belongs. Students began the semester by sketching dozens of chicken coop designs, then formed teams to craft four detailed proposals. In February, they traveled to God's Vineyard for client presentations, lugging scale models through airport security. Antwine and Jones selected a proposal by seniors Alla Agafonov, Claudia Bode and Kathleen Johnson (though they also noted that a design by senior Aaron Williams would make an ideal goose coop).

Returning to St. Louis, the class set a \$1,000 budget, funded by an anonymous donation, and began researching materials and construction methods.

"The idea was that we'd prefabricate the components, then drive down to install them," Hoeferlin said. "There's very little site preparation — just a few concrete boots anchoring the tilt-up frames."

The eight-foot-tall structure is composed of a dramatically peaked roosting area, large enough for humans to enter, and a similarly shaped, though smaller, nesting box that can be accessed separately for egg collection. Louvered side-panels, made of translucent plastic, are mount-



Derek Hoeferlin (center), lecturer in architecture, leads a critique of a recent project in the Sam Fox School of Design & Visual Arts. Ten students designed and built a new chicken coop for the God's Vineyard Community Garden, a nonprofit urban farm in New Orleans. After prefabricating the coop in Givens Hall, the class traveled to New Orleans last weekend to install the piece.

ed on a galvanized steel framework. The roof as well as front and rear sliding doors are built from corrugated steel and painted bright red.

"It's a very simple structure, driven by the programmatic requirements of roosting and nesting," Hoeferlin said. "It's easily portable, and the materials are durable and won't be infested by termites. The louvered panels allow for cross-ventilation and also speak to vernacular architectural traditions."

While visiting New Orleans, Hoeferlin's class agreed to tackle a second project after meeting with representatives of the Good Work Network, a nonprofit business incubator that provides training and support services to low-income and minority entrepreneurs.

The Good Work Network had recently acquired the Franz Building, a 6,800-square-foot retail space in the Central City neighborhood. The group saw the structure as key to reviving the entire O.C. Haley corridor, an historically African-American shopping district, and planned to occupy half the building. The other half would house four businesses: a bakery, a consignment shop, a beauty salon and an arts cooperative.

"It's a gem of a building," Hoeferlin said. "It needs to be comprehensively renovated, but it's structurally very sound, with a commercial storefront and load-bearing brick walls. We don't build them like this anymore."

At the same time, Hoeferlin's studio was invited to participate in the 2008 JP Morgan Chase Community Development Competition. Designed to promote partnerships between universities and nonprofit groups, the competition will provide a total of \$50,000 seed money to three New Orleans projects.

Hoeferlin's class volunteered to craft the design portion of an interdisciplinary entry exploring redevelopment strategies for the Franz Building. Two graduate students from the Massachusetts Institute of Technology's Department of Urban Studies & Planning who had previously partnered with the Good Work Network developed a corresponding business plan.

Though each architecture student created an individual proposal, the final submission was based on a scheme by senior John Kleinschmidt. Within the Good Work Network area, facing the street, would be a large flexible workspace that could be subdivided into small classrooms or opened up for large meetings and graduation ceremonies. A middle zone would house semi-public areas, including a reception desk, waiting room and staff lounge, while the back would contain private offices and an outdoor patio.

The project also would incorporate LEED-certified green building components as well as passive conservation strategies, including rainwater collection and retention, and operable doors and windows for cross-ventilation. Tall, angled ceilings

would direct natural light deep into the space while also exposing a series of dramatic cypress trusses.

"Sustainability is a big part of this project, and of encouraging post-Katrina rebuilding in general," Hoeferlin said. "In a lot of ways, these old structures were sustainable in and of themselves. We're not trying to reinvent the wheel; we're just trying to complement and enhance existing features in unassuming ways."

Now both the chicken coop and the Franz Building project are reaching fruition.

In early April, the Good Work Network received a \$40,000 grant from the Greater New Orleans Foundation. In addition, the Franz Building is currently a finalist for a National Trust for Historic Preservation Grant, and, April 28, the WUSTL/MIT team was named a finalist in the Chase Competition.

On May 2, Hoeferlin's class returned to New Orleans to install the chicken coop (and Williams' goose coop). They made the final presentation to the Chase Competition jury May 6.

"These are obviously two very different projects, but they're both very real," Hoeferlin said. "Despite what the national media tell us, things are gaining steam down the river. New Orleans is transitioning from a phase of recovery to one of rebuilding, and projects of different type and different scales need to be implemented simultaneously."

"That's what these design studios are all about," he said.

## Sports

### Men's tennis advances to quarterfinals

The top-seeded tennis team advanced to the quarterfinals of the 2008 NCAA Division III Men's Tennis Championship with a 6-0 victory over No. 2 seed DePauw University May 4 at the Tao Tennis Center. After a bye in the first round, WUSTL defeated Grinnell College, 5-1, May 3.

This marks the fifth time in school history the Bears have advanced to the quarterfinals. WUSTL also made appearances in 1986, 2003, 2004 and 2007.

Last year, the Bears lost to eventual national champion University of California-Santa Cruz. WUSTL (18-4) will take on sixth-ranked Gustavus Adolphus University May 13 in the quarterfinals held at Bates College in Lewiston, Maine.

### Softball snaps DePauw's 37-game winning streak

The No. 16 softball team ended No. 1 DePauw's 37-game winning streak — the second longest in Division III history — with a 1-0 home victory in Game 2 of a doubleheader May 3.

In Game 1, DePauw rallied with a run in the seventh and three in the eighth for a 4-1 victory. Freshman Claire Voris allowed just two hits and struck out one in Game 2 as she improved her overall record to 14-5. Voris walked six in the victory and stranded nine DePauw runners.

With one out in the bottom of the fourth, sophomore Ally Berenter and senior Amy Vukovich each singled. Junior Lindsay Cavarra then delivered the game-winning hit as she doubled to left field, scoring Berenter for the lone run of the game.

WUSTL dropped two games in a doubleheader at Missouri Baptist University May 1. The Bears

led both games heading into the late innings but were unable to hold on for wins.

### Baseball has 10th straight winning season

The baseball team clinched its 10th-consecutive winning season under head coach Ric Lessmann with a 14-3 win at Maryville University May 1. However, the team dropped its final three games of the season, losing a pair of games in a doubleheader with California State-East Bay May 2 and falling to Greenville College May 3.

Earlier in the week, sophomore pitcher Jeremy Rogoff received a National Collegiate Baseball Writers Association (NCBWA) Player of the Week honorable mention for his 14-strikeout performance against Case Western Reserve University April 26.

Rogoff was the first WUSTL or University Athletic Association player to be honored by the NCBWA Player of the Week program this season.

### Three Bears earn postgrad scholarships

Three winter student-athletes were awarded educational grants through the NCAA postgraduate scholarship program, as announced by the NCAA.

The WUSTL winter sport recipients were pole vaulter Morgen Leonard-Fleckman, basketball player Troy Ruths and swimming and diving team member Priya Srikanth.

The three WUSTL selections were among 58 scholarship winners, 29 men and 29 women, from a pool of student-athletes representing all three NCAA divisions. Each scholarship recipient will receive a one-time grant from the NCAA for the amount of \$7,500 to use towards postgraduate studies.

## Haley conference to draw scholars from around the world

By JESSICA MARTIN

The School of Law will bring together top comparative law scholars from around the world for "Law in Japan: A Celebration of the Works of John Owen Haley" Friday and Saturday, May 9 and 10, in the Bryan Cave Moot Courtroom of Anheuser-Busch Hall.

"John Haley is this nation's leading Japanese legal scholar and a major figure in international and comparative law both here and abroad," said Kent Syverud, J.D., dean and the Ethan A.H. Shepley University Professor. "His colleagues around the world are eager to gather to recognize his contributions to the field."

Haley, WUSTL's Wiley B. Rutledge Professor of Law, joined the law school in 2000 and served for three years as director of the Whitney R. Harris Institute for Global Legal Studies. He has taught and lectured internationally, including on several occasions in Japan and Germany.

Haley is the author of nine books and monographs and numerous articles on Japanese and East Asian Law.

His scholarly works span issues ranging from international trade policy and comparative law to Japanese land-use law, Japanese and East Asian business transactions and Japanese law and contempo-

rary society. His recent books include "The Spirit of Japanese Law" and "Antitrust in Germany and Japan: The First Fifty Years, 1947-1998," the first comparative study of German and Japanese antitrust law in English.

This conference is free and open to the public and will feature sessions such as:

- Restrictions on Political Activity by Judges in Japan and the United States: The Cases of Judge Teranashi and Justice Sanders;
- IP Education and Training in Japan;
- John Haley and the Growth of Japanese Law as a Scholarly Field in the United States;
- The Role of Lawyers, Corporate Governance and State Power in Japan — Has Legal Reform Resulted in Real Change?;
- Bull-Dog Sauce for the Japanese Soul? Courts, Corporations and Communities — A Note about Haley's View of Japanese Law;
- Reforming Knowledge: A Critique of the Japanese Legal Profession Reforms;
- Why Study Japanese Law?; and
- Liberalization and Litigation: Evidence from Japan.

For a full list of speakers and topics as well as additional conference information, visit [law.wustl.edu/higs/index.asp?ID=1732](http://law.wustl.edu/higs/index.asp?ID=1732).



## DeRoo wins Wylie Prize in French Cultural Studies

By LIAM OTTEN

Rebecca J. DeRoo, Ph.D., assistant professor of art history & archaeology in Arts & Sciences, has won the 2008 Laurence Wylie Prize in French Cultural Studies for her book "The Museum Establishment and Contemporary Art: The Politics of Artistic Display in France after 1968" (2006).

Published by Cambridge University Press, the volume provides an in-depth account of protests that shook France and served as a catalyst for a radical reconsideration of artistic practice — a reconsideration that has shaped both art and museum exhibitions to the present day.

"The Museum Establishment" was selected from 57 nominees. Jury chair Brigitte Lane, Ph.D., associate professor of French at Tufts University, described it as "a splen-

did study," adding that, "we are sure that it will inspire many students, faculty and readers outside academia, in terms of rethinking what a museum and its purpose might be."

DeRoo received the award April 22 at Tufts, where she also lectured on "Reinventing French Museums in the Aftermath of 1968: Annette Messager's Art of the Everyday."



DeRoo

The Wylie Prize was created in 1995 by the Association of French Cultural Studies to honor the memory of Laurence Wylie (1909-1995), a pioneering anthropologist who specialized in the study of French culture and civilization.

In addition to Lane, the prize

committee included Tom Conley, Ph.D., of Harvard University; Stephane Gerson, Ph.D., of New York University (himself the 2006 recipient); and Jean-Francois Briere, Ph.D., of the University at Albany, State University of New York.

DeRoo, a scholar of contemporary art, has previously received fellowships from the Fulbright Commission, the Javits Foundation and the Killam Foundation, as well as an award from the National Endowment for the Humanities.

She has contributed to numerous journals and publications, including Parallax, Critique d'Art and The Oxford Art Journal. In 1999, she curated the exhibition "Beyond the Photographic Frame" that was supported by a Rhoades Foundation Fellowship for the Art Institute of Chicago.

She is studying ironic dimensions in the films of French director Agnes Varda.

## Endowment

— from Page 1

Because of the School of Medicine's health and biomedical research mission, the University's largest sources of income are patient care and research grants. These are followed by tuition and then endowment spending.

According to Vice Chancellor and Chief Financial Officer Barbara A. Feiner, University trustees adopt endowment spending policies that are designed to maintain a smooth spending course over time while making sure that future generations of students and faculty will receive at least the same level of support from the endowment as the current generation enjoys.

"When investment returns are robust, spending rules help to ensure that any increased spending can be sustained into the future," Feiner said. "The resulting financial stability is crucial to long-term academic programming."

Most universities aim for a 4 percent to 5 percent payout of their endowment each year. In some years, they exceed that goal, and in others, they do not — depending on many factors, including market conditions. An annual average investment return of approximately 8 percent to 9 percent is needed to achieve a payout rate goal of up to 5 percent and, at the same time, to maintain the endowment's value relative to an annual inflation rate of 2.5 percent to 3.5 percent. The endowment also incurs investment management costs that must be recovered.

Over the past 10 years — a period that includes both strong and weak investment markets — the Washington University endowment returned an annualized 8.8 percent per year. For the 2007 fiscal year, Washington University distributed \$197 million in earnings from its endowment, which was valued at \$5.66 billion June 30, 2007. Over the past decade, the University has increased annual endowment spending by more than 150 percent.

Unlike most charitable foundations that are required by federal law to spend a minimum of 5 percent of their assets each year and have only one source from which to spend assets, a university endowment is strikingly different. A university endowment is only one of many sources of income that must be relied upon, it is composed of many separate restricted funds, and it must support an everlasting institution.

"University endowment investment and spending is done with a long-term view in mind," Feiner said. "Foundations do not have the enduring obligations faced by Washington University, which has 13,000 faculty, researchers and staff who work in more than 150 buildings utilized by more than 13,500

full- and part-time students."

### Minimizing market fluctuations

According to the University's chief investment officer, Kimberly Walker, the University's endowment is managed to strike a balance between the competing demands of funding current operations and preserving purchasing power to fund future needs. It is managed for the long term.

"This permits access to high-quality investment vehicles and provides a broader set of investment possibilities," Walker said. "It also allows institutions to better manage risk because they are not focused on near-term performance results and market fluctuations. During the academic year 2000-01, for example, endowments nationally lost an average of 3.6 percent, and they lost 6.0 percent over 2001-02."

"Careful stewardship governs the ways in which the University's endowment is managed to flatten economic hills and valleys, such as the recent dramatic downturn in the stock markets here and abroad," Wrighton said. "Good years like 2006-07 can be followed by equally strong market declines, and a wisely managed endowment is structured to reduce the negative impact of the bad years by conserving resources in the good ones."

### Nearly 2,500 individual funds

An unusual aspect of university endowments is that they are not just one fund that is steered by the university administration, but rather guided by the wishes of hundreds or thousands of different donors who often place restrictions on how their endowment gifts may be used by the institution.

Indeed, the "endowment" of Washington University actually comprises nearly 2,500 individual endowments — most with their own sets of restrictions and guidelines as to how they may be used. Some of these endowments are more than a century old and reflect a donor's wishes based on what was known or expected at the time the gift was made.

Although the University has limited latitude to interpret donor wishes, it cannot redirect those funds to totally different purposes contrary to donor instructions. That is why a donor's gift restricted to supporting medical research could not be repurposed to support undergraduate scholarships. Likewise, a gift clearly intended for an endowed professorship in English literature could not be spent on need-based grants to undergraduate English majors.

The University has received gifts for endowed scholarships in every school and college, as well as for other important intellectual resources, such as special library

collections, laboratories, student services, lectures and seminars, museum collections, capital projects and support of academic programs.

### Supporting scholarships and more

About \$500 million of the University's endowment is designated to generate resources for more than 2,000 students. Of this, about half can be used to generate income for undergraduate financial aid. Any other funds for financial aid must come from nonendowment revenues, including annual gifts and tuition. For example, gifts to the annual fund provide scholarships to more than 1,000 students. Income from federal research grants and from patient-related reimbursements cannot be used for undergraduate financial aid.

"Because much of the endowment cannot be used for student financial aid, one of our most important challenges for the future is meeting the growing need for scholarships," Wrighton said. "We are working hard on the development of annual and endowed scholarship gifts that will enhance access to higher education for students from low- and middle-income families."

Beyond scholarships, the endowment provides the University with much-needed funds to support academic programs and faculty salaries. These additional resources allow the University to continue to charge tuition rates that are well below the actual cost of educating a student, regardless of whether she or he receives financial aid.

### A challenge to self-determination

In recent times, universities across America have come under fire from various sources, most recently the U.S. Senate Finance Committee, for not spending more of their endowments to meet the needs of education today. Some policy makers have suggested imposing mandatory minimum spending requirements for university endowments, as there are for charitable foundations. More to the point, some believe universities should be spending more of their endowments to ease the cost of tuition.

"While that's understandable and something about which we all need to be concerned, we also must be good stewards of what has been given to us in the past and provide for the future of an institution that effectively must plan to exist forever," Wrighton said. "Throughout its 155-year history, Washington University has served as a good steward of this essential resource. For many, the endowment makes a critical difference in the ability of our students and scholars to learn, create and discover new knowledge."

## Quatrano

### Appointment becomes effective July 1

— from Page 1

levels and has mentored 20 graduate students and 40 post-doctoral fellows and visiting scientists.

From 1986-89, Quatrano was research manager in molecular biology for the E.I. duPont de Nemours & Co.

From 1968-1986, Quatrano was a faculty member in botany at Oregon State University. His last two years there, he founded and directed the university's Center for Gene Research and Biotechnology.

He was editor-in-chief of The Plant Cell, the premier journal of plant biology; elected president of the American

Society of Plant Biology; a member of the advisory committee for biological sciences for the National Science Foundation until 2001; a member of the scientific advisory committee of the Rockefeller Foundation International Program on Rice Biotechnology; and, from 1991-98, was a member of the board of reviewing editors for Science magazine, the publication of the American Association for the Advancement of Science (AAAS).

He is a Fellow of the AAAS and the St. Louis Academy of Science as well as an inaugural fellow of the American Society of Plant Biology.

Quatrano earned a bachelor's degree in botany with honors from Colgate University in 1962, a master's degree in botany from Ohio University in 1964, and a doctorate in biology from Yale University in 1968.

## Search for Arts & Sciences dean begins with committee

Chancellor Mark S. Wrighton has announced the formation of an Advisory Committee on the Appointment of the Dean of the Faculty of Arts & Sciences.

"The new dean of the faculty of Arts & Sciences will be an important University leader in the era ahead and will play a key role in advancing the strong academic foundation in Arts & Sciences developed by Executive Vice Chancellor and Dean, Edward S. Macias," said Wrighton in announcing the committee.

Wrighton appointed **James V. Wertsch**, Ph.D., the Marshall S. Snow Professor in Arts & Sciences and director of the McDonnell International Scholars Academy and of International & Area Studies, to chair the 12-member committee.

He also named the following individuals to the committee:

**Deanna M. Barch**, Ph.D., associate professor of psychology in Arts & Sciences and of psychiatry and of radiology at the School of Medicine and director of the Silvio Conte Center for Neuroscience Research;

**Timothy J. Bono**, a graduate student representative to the Board of Trustees and a doctoral student in psychology in Arts & Sciences;

**John Michael Clear**, an Arts & Sciences alumnus, National Council member and a partner at Bryan Cave LLP;

**Gerald L. Early**, Ph.D., the Merle Kling Professor of Mod-

ern Letters and director of the Center for the Humanities in Arts & Sciences;

**Thomas E. Ellenberger**, Ph.D., the Raymond H. Wittcoff Professor of Biochemistry and Molecular Biophysics and head of the Department of Biochemistry and Molecular Biophysics at the School of Medicine;

**Kenneth F. Kelton**, Ph.D., the Arthur Holly Compton Professor in Arts & Sciences and chair of the Department of Physics;

**Marius Johnson**, undergraduate student representative to the Board and a political science major in Arts & Sciences;

**Leah A. Merrifield**, special assistant to the chancellor for diversity initiatives;

**Richard J. Smith**, Ph.D., the Ralph E. Morrow Distinguished University Professor, chair of the Department of Anthropology in Arts & Sciences and dean-designate of the Graduate School of Arts & Sciences;

**Gerhild S. Williams**, Ph.D., associate vice chancellor, professor of Germanic Languages & Literatures in Arts & Sciences, the Barbara Schaps Thomas and David M. Thomas Professor in the Humanities and special assistant to the chancellor for academic affairs; and

**Karen L. Wooley**, Ph.D., the James S. McDonnell Distinguished University Professor in Arts & Sciences and professor of chemistry and of radiology.

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## Notables

### Hansmans receive 'What's Right With The Region!' award from FOCUS St. Louis

By LIAM OTTEN

**B**ob Hansman, associate professor of architecture and artist-in-residence in the Sam Fox School of Design & Visual Arts' College of Architecture, and his son, Jovan, were honored at FOCUS St. Louis' 11th annual "What's Right With The Region!" awards ceremony May 7.

Held at the Sheldon Concert Hall, the awards showcase individuals and organizations that are making the bistate region a better place to live, work and learn. This year, 20 honorees were recognized in five categories: "Creating Quality Educational Opportunities," "Demonstrating Innovative Solutions," "Fostering Regional Cooperation," "Improving Racial Equality and Social Justice" and "Promoting Stronger Communities."

"All too often we are inundated with negative news about the community," said Chris Chadwick, executive director of FOCUS St. Louis. "What's Right With The Region!" showcases everyday citizens and organizations working effectively to create a thriving and cooperative region."

The Hansmans were recognized in the "Promoting Stronger Communities" category. Bob, a longtime community activist, is renowned for his work with underprivileged, inner-city youth. In 1992, he launched City Faces, a nationally recognized community arts

program that offers year-round drawing classes in St. Louis' Clinton-Peabody housing project. Over the years, City Faces has earned citations from the White House, the Missouri House of Representatives and Colin Powell's America's Promise Alliance, among others.

Today, City Faces is led by Jovan, Bob's adopted son and himself a former student in the program. In addition, Jovan founded and directs Faces in the Loop, a gallery that features paintings and customized portraits by City Faces alumni.

"I can do some things on my own, and Jovan could have done some things on his own, but what we have accomplished together is more than either of us could have done alone, or even dreamed of," Bob said. "Our lives together continue to surprise us and take us places we never thought we'd go."

Said Jovan, "I'm just trying to follow in Bob's footsteps. He made me believe in hope at a time when I didn't believe."

"I guess this is what happens when you believe," he said.

FOCUS St. Louis is a non-profit organization dedicated to creating a thriving, cooperative region by engaging citizens to participate in active leadership roles and to influence positive community change. The organization also functions as the area's citizens league, drawing on the support of nearly 1,000 members representing 16 counties of the bistate region.

### National newspaper honors two WUSTL students

**T**wo Washington University undergraduate students in Arts & Sciences have been named to USA TODAY's annual all-USA College Academic Teams.

Lonia Friedlander, a senior majoring in chemistry and earth and planetary sciences, a Fossett Fellow and a member of the Pathfinder Program, was named to USA TODAY's Second Team.

The Pathfinder Program is a four-year educational experience researching environmental sustainability. Limited to a small number of students, the program reaches out to talented incoming undergraduates with interests in the environmental sciences.

Lauren Bernstein, a senior ma-

joring in history, was named to the Third Team. Bernstein is director of SARAH, the Sexual Assault and Rape Anonymous Helpline.

Her research is on the intersection of race, gender and violence in the late 19th and early 20th centuries. She plans to attend the George Warren Brown School of Social Work in the fall to pursue a master's of social work degree with the eventual goal of earning a doctorate in social work and becoming a professor.

For the entire list of students honored, visit news-info.wustl.edu/clip/page/normal/18229.html.

## Construction Update

Construction Update is published periodically and provides information about the progress of major building and renovation projects. Information is provided to the Record by facilities management.

### Danforth Campus Harry and Susan Seigle Hall

Work continues with the interior finishes. Effort is being made to complete the south portion of the building for occupancy in May.

### Danforth University Center

Work continues to finish Levels 1, 2 and 3. Project is on target to be substantially completed

and ready for occupants to begin to move in July 9.

### Village East

All activities are to be completed by July 15.

### South 40

Contractors began installing sewers on the lawn at Liggett and Koenig houses in April. New electric and telecom duct banks are being installed. New manholes for electrical and telecom services are being installed in preparation for future construction activity.

## Nearly a century of social work at WUSTL celebrated with new book

By JESSICA MARTIN

**T**o celebrate nearly 100 years of existence and a new era in social work education, the George Warren Brown School of Social Work is publishing "What We Believe: A History of the George Warren Brown School of Social Work: 1909-2007."

"This is a pivotal time for social work training and for the profession itself," said Edward

F. Lawlor, Ph.D., dean and the William E. Gordon Professor. "We are implementing a new strategic plan, and it is the perfect time for us to remember and learn from our history."

Author Candace O'Connor begins the book with a look at poverty in St. Louis and the early history of social work education locally and concludes with an overview of more recent accomplishments and a glimpse into the Brown School's future.

Threaded throughout the book are milestones and evolutions in social work education as well as first-person accounts from alumni and current and former faculty.

"It was a great pleasure to write about a school that has always dedicated itself to educating women and men who wish to do good in the world," O'Connor said.

The book also features some of the great leaders in the field of social work who played a part in

the Brown School's history, among them Roger Baldwin, Julia Stimson, Frank Bruno, Benjamin Youngdahl, Shanti Khinduka and Michael Sherraden.

O'Connor, author of "Beginning a Great Work: Washington University in St. Louis, 1853-2003," is an award-winning writer and editor who has written extensively for regional and national publications.

She won a regional Emmy award for her historical documentary, "Oh Freedom After While: The Missouri Sharecropper Protest of 1939," which aired nationally on PBS.

The book will be available for purchase from the Campus Store in Mallinckrodt Student Center May 16. To order "What We Believe," visit gwbweb.wustl.edu/Alumni/Pages/SocialWorkHistory.aspx.

### Did you know?

For interesting facts about the George Warren Brown School of Social Work, visit news-info.wustl.edu/news/page/normal/11619.html.

Excerpts from "What We Believe," including interesting stories and people from the Brown School can be viewed at news-info.wustl.edu/news/page/normal/11683.html.



This history of the Brown School will be available at the Campus Store May 16.

## Excellence in Leadership Awards honor students, campus groups

**U**ndergraduates and student groups who have demonstrated outstanding leadership on campus and in the community were presented with Excellence in Leadership Awards by the Office of Student Activities April 27 in Holmes Lounge.

The award categories were student programming, progressive leadership, social justice and values congruence.

The awards and their recipients follow:

- **Best Collaboration:** Pride Alliance, Korean Student Association and Campus Programming Council
- **Best Community Impact:** Green Action
- **Best First-Time Program:** Orientation Executive Board
- **Dignity of Difference Award:** Sexual Assault and Rape Anonymous Helpline (SARAH)

- **Helen Davis Humanitarian Award:** Benjamin Kastan
- **Living the Mission Award:** Engineers Without Borders
- **Outstanding Freshman Leader Award:** Nate Ferguson
- **Outstanding Sophomore Leader Award:** Fernando Cutz
- **Outstanding Junior Leader Award:** Lee Cordova
- **Ripple Award:** Linden Weiswerda
- **Student Organization Progressive Leadership Award:** Association of Black Students
- **Unsung Hero Award:** Elizabeth Kramer
- **Victor H. Farwell Outstanding Senior Leader Award:** Prerna Raj

## Platypus

Shares genes with mammals, birds, reptiles  
— from Page 1

date the emergence of genes and traits specific to mammals.

The study analyzes the genome sequence of a female platypus from New South Wales, Australia. The project was largely funded by the National Human Genome Research Institute (NHGRI), part of the National Institutes of Health, and includes scientists from eight countries.

"At first glance, the platypus appears as if it was the result of an evolutionary accident," said Francis S. Collins, M.D., Ph.D., director of NHGRI. "But as weird as this animal looks, its genome sequence is priceless for understanding how mammalian biological processes evolved."

As part of their analysis, the researchers compared the platypus genome with genomes of the human, mouse, dog, opossum and chicken. They found that the platypus shares 82 percent of its genes with these animals. The chicken genome was chosen because it represents a group of egg-laying animals, including extinct reptiles, which passed on

much of their DNA to the platypus and other mammals over the course of evolution.

The researchers also found genes that support egg laying — a feature of reptiles — as well as lactation — a characteristic of all mammals. Interestingly, the platypus lacks nipples, so its young nurse through the abdominal skin.

The researchers also attempted to determine which characteristics of the platypus were linked to reptiles at the DNA level. When

genes that code for a particular type of odor receptor. Similar genes are found in animals that rely on a sense of smell, such as rodents and dogs, and the scientists suspect that their addition in the platypus allows the animals to detect odors while foraging underwater.

At roughly 2.2 billion base pairs, the platypus genome is about two-thirds the size of the human genome and contains about 18,500 genes, similar to other vertebrates. The animal

has 52 chromosomes, including an unusual number of sex chromosomes: 10. The platypus X chromosome bears resemblance to the sex chromosome of a bird, known as Z.

Sequencing and assembling the platypus genome proved far more daunting than sequencing any other

mammalian genome to date. About 50 percent of the genome is composed of repetitive elements of DNA, which makes it a challenge to assemble properly.

The platypus genome sequence, along with those for other organisms, such as the mouse, dog, cow and many other animals, can be accessed at GenBank (ncbi.nih.gov/Genbank) at NIH's National Center for Biotechnology Information.

**"As weird as this animal looks, its genome sequence is priceless for understanding how mammalian biological processes evolved."**

FRANCIS S. COLLINS

they analyzed the genetic sequences responsible for venom production in the male platypus, they found it arose from duplications in a group of genes that evolved from ancestral reptile genomes.

The platypus swims with its eyes, ears and nostrils closed, relying on electrosensory receptors in its bill to detect faint electric fields emitted by underwater prey. Surprisingly, the researchers found the genome contains an expansion of



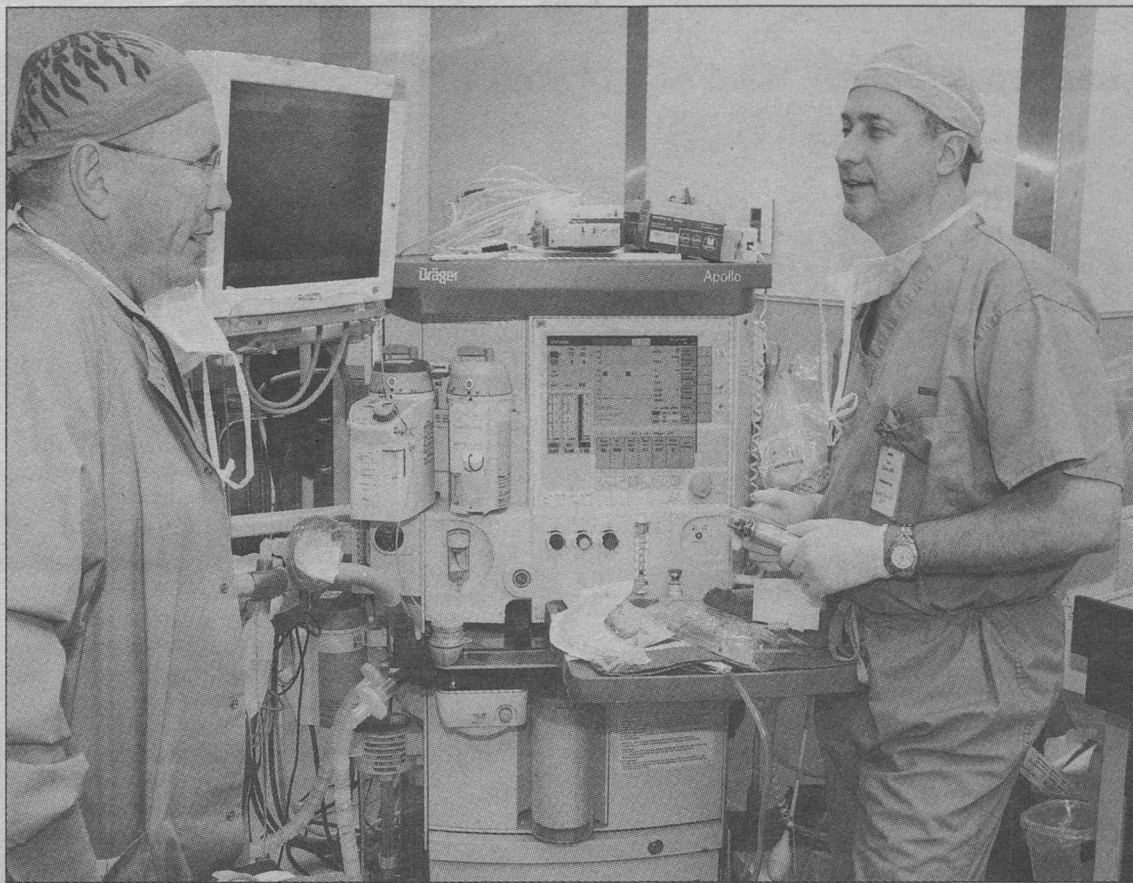
## Washington People

**W**hen Daniel P. Gillen, M.D., gives orders, sometimes they go on a medical chart, and sometimes they're more military in nature. You see, Gillen, assistant professor of anesthesiology and director of Trauma Anesthesia Services, is a doctor, and he's also a brigadier general in the Air Force Reserve.

What began as a way to make medical school affordable eventually blossomed into a career.

"The primary reason I joined the Air Force was that they had a scholarship program," Gillen says. "It was a year-for-year deal. I paid my own way for my first year of medical school, and then I joined the Air Force, and they paid for the next three years. After my residency training, I did payback for three years down at Maxwell Air Force Base in Alabama."

But it didn't end there. Interestingly, neither did his medical training. After finishing medical school at the University of Nebraska in 1982, he came to Barnes Hospital in St. Louis with a plan to go into urology, but he changed his mind and left for full-time duty in the military, where he worked as an emer-



Daniel P. Gillen, M.D. (right), talks with William Varum, a nurse anesthetist II, as they prepare for a surgery. "Dan's extensive experience in managing trauma and mass casualties in Iraq has been an invaluable resource in creating a trauma anesthesiology program here at Washington University," says Alex S. Evers, M.D., the Henry E. Mallinckrodt Professor and head of the Department of Anesthesiology.

By JIM DRYDEN

## Doctor and soldier

Anesthesiologist Gillen helps save lives in St. Louis and overseas

gency-room physician.

He then returned to Barnes for a residency in anesthesiology. An Air Force program for residents training in wartime-critical specialties, including anesthesiology, offered a monthly stipend if Gillen agreed to two years of reserve service for every year he spent in the program. A three-year anesthesia residency earned him six years of reserve duty. And he never left.

"I briefly was pulled out of my residency and deployed as an emergency-room physician during Operation Desert Storm from January until March of 1991," he says. "Since I was an anesthesiology resident, they put me in the O/R quite a bit, and when I got back, I submitted the cases I had done, and they counted toward my residency. So I didn't lose any time."

He came back to St. Louis, completed his training and moved on to private practice at St. Elizabeth's Hospital in Belleville, Ill. But some things tend to call a person back, things like the Air Force, the Persian Gulf and the Washington University Medical Center.

### Rising in the ranks

At St. Elizabeth's, Gillen was less than 10 miles from Scott Air Force Base, so he didn't have to travel long distances for reserve weekends. He also met an Intensive Care Unit nurse named Patty, who would eventually become his wife.

"The anesthesia group was small, and in the ICU, we worked very closely with them, so we quickly knew the anesthesia docs by name," Patty Gillen says. "It started as a working relationship. Then we began dating in 1995, and we got engaged in '98."

Reserve duty took up more time as Gillen rose in rank, earning his first command at Scott and later heading the 932nd Medical Squadron, also at Scott. And he spent time at the base even when he wasn't participating in a UTA, military jargon for Unit Training Assembly, or reserve weekend. He was deployed back to the Persian Gulf in support of Operations Enduring Freedom and Iraqi Freedom as clinical director of 12 Critical Care Air Transport Teams, called CCATT in military parlance.

He both directed the dozen teams and served as a physician for one. CCATT teams are made up of three people: a critical-care physician — such as a pulmonologist, an intensivist or an anesthesiologist — an ICU-trained nurse and a respiratory technician. The CCATT teams routinely transport wounded soldiers who would be deemed too sick to be moved if they were in the United States.

"We started out in England, and when we would go on a mission, we would fly through Germany and down to Sicily," he says. "Then we would pick up patients in Kuwait City and fly them to either Ramstein Air Base in Germany or to a Navy fleet hospital in Rota, Spain. Then we'd go back to England to wait for our next mission."

During his deployment at the start of the war, Gillen not only was saving lives, but he was also worrying about what was happening on the home front. Patty was unable to have children, but she still had healthy eggs.

"We still wanted to have our own children," Gillen says. "We made an arrangement that would give us three tries at having a child through surrogacy."

The first two attempts failed. Then, in 2003, Patty's sister, who

also works at Barnes-Jewish Hospital, offered to be the surrogate. Shortly after that, Dan was sent to the Persian Gulf again.

"I kept e-mailing him the ultrasound pictures, so he could keep up with things," Patty says. "And he did get back to the States twice during that eight-month period when he was deployed."

He finally returned home in early November, and the couple's twin sons, Sean Mikael and Aidan Carey Gillen, were born Dec. 3, 2003.

Gillen began adjusting to civilian life again in 2004. In 2000, Patty began managing the ICU at St. Elizabeth's. Then she came to Barnes-Jewish Hospital to manage the 8300 Medical ICU in 2002. After returning from Iraq the following year, Gillen followed her back across the Mississippi River.

"There were malpractice problems in St. Clair and Madison counties in Illinois during that time, and many physicians were leaving, so the surgeons didn't have as many referrals," he explains. "With fewer surgeries, we had fewer patients to put to sleep, and the end result was that our anesthesia group split up. Patty was already working over here, so I interviewed with Washington U., and lucky for me, there was a position open."

### A crucial mission

He still has regular training with the Air Force Reserve, and these days, Gillen often is away for more than just his UTA weekends, but it hasn't interfered with his career at Washington University and Barnes-Jewish Hospital.

"Dan's extensive experience in managing trauma and mass casualties in Iraq has been an invaluable resource in creating a trauma anesthesiology program here at Washington University," says Alex S. Evers, M.D., the Henry E. Mallinckrodt Professor and head of the Department of Anesthesiology.

There are reminders of Gillen's military service around the medical center. In the medical intensive care unit where Patty works, there are several flags that were flown during his missions in Iraq, where Gillen returned to active duty last year. Instead of England or Germany as a home base, this time, he was deployed to Iraq itself, working as a CCATT physician and clinical director at Balad Air Base.

Independence Day last year

brought him a mission that got him home for fireworks. It started July 3 when Sgt. Dan Powers was attacked on patrol outside of Baghdad. An Iraqi insurgent plunged an eight-inch knife into Powers' head near his temple. The soldier remained conscious, unable to feel the knife, but his life was in danger.

Medics covered the knife with a Styrofoam cup and took Powers to a hospital in Baghdad, which, in turn, sent him to Balad. Neurosurgeons there removed the knife, but there was a lot of bleeding, and Powers needed more surgery. Gillen's team then transported him all the way from Iraq to Andrews Air Force Base in the United States in a mission that included mid-air refueling of the C-17 medical transport plane.

"Anyone who has flown knows you have pressure changes, and we can only control those changes to a certain point," Gillen says. "When you're talking about a very serious head injury, you want to minimize those pressure changes, so we didn't want to climb to altitude and then land a few times, so we had to fly the whole way from Iraq to Andrews."

It was a 13-hour, nonstop mission, and as his plane took off to go back to Iraq, Gillen could see the fireworks exploding over the Washington Mall. But the real payoff came last October, when he attended a conference in Tennessee and met a healthy Sgt. Powers.

"In the past, soldiers like him would be dead," Gillen says. "The patients we transport are very unstable. It's been extremely gratifying, both personally and professionally, to both serve my country and bring these guys home."

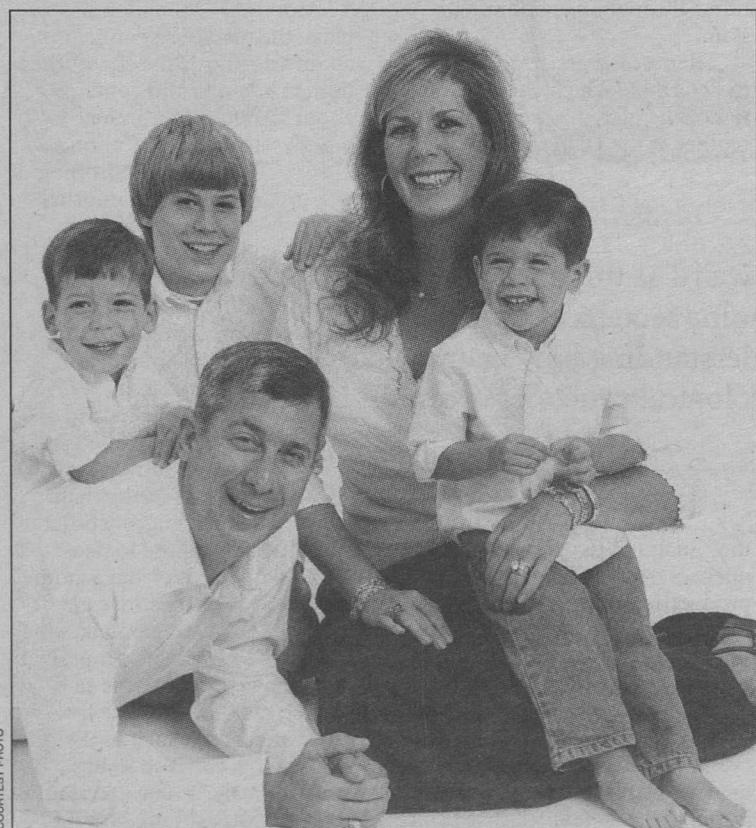
### Daniel P. Gillen

**Born:** Dec. 19, 1955, in York, Neb.

**Education:** B.S., biology, 1978, Nebraska Wesleyan University; M.D., 1982, University of Nebraska Medical Center

**University position:** Assistant professor of anesthesiology and director of Trauma Anesthesia Services

**Family:** Wife, Patty Gillen; daughter, Kelly R. Gillen, 21; and sons Kyle P. Gillen, 14, Sean M. Gillen, 4, and Aidan C. Gillen, 4



The Gillen family (from left): sons Aidan, 4, and Kyle, 14; Daniel; wife, Patty; son Sean, 4.